

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
 Data File : BE098316.D
 Acq On : 11 Dec 2018 2:12
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDC00.4EC

Quant Time: Dec 11 03:16:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1639	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	7037	0.40	ng	-0.01
13) Acenaphthene-d10	14.53	164	4042	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	10105	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	12253	0.40	ng	0.00
34) Perylene-d12	24.01	264	11842	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	1687	0.44	ng	0.00
5) Phenol-d6	7.04	99	2287	0.42	ng	0.00
8) Nitrobenzene-d5	9.02	82	2628	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4347	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	603	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6684	0.39	ng	0.00
25) Fluoranthene-d10	19.31	212	50073	0.39	ng	0.00
29) Terphenyl-d14	19.91	244	9981	0.34	ng	0.00

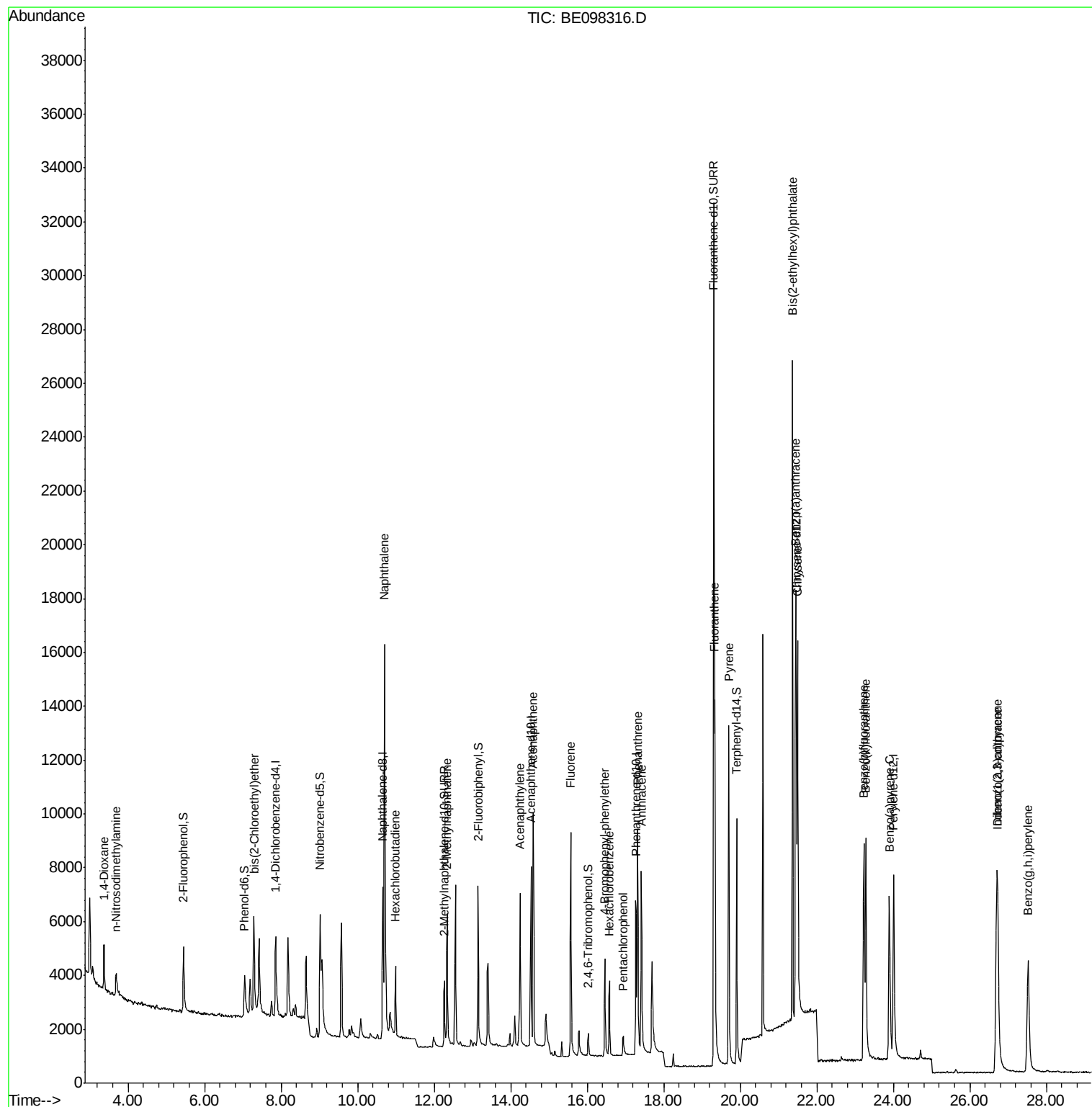
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	1111	0.392	ng	98
3) n-Nitrosodimethylamine	3.68	42	1066	0.418	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	2053	0.398	ng	92
9) Naphthalene	10.71	128	27114	0.383	ng	99
10) Hexachlorobutadiene	10.99	225	1763	0.391	ng	99
12) 2-Methylnaphthalene	12.34	142	4139	0.360	ng	99
16) Acenaphthylene	14.24	152	7240	0.382	ng	98
17) Acenaphthene	14.59	154	4317	0.380	ng	98
18) Fluorene	15.57	166	5586	0.367	ng	100
20) 4-Bromophenyl-phenylether	16.46	248	2071	0.381	ng	# 85
21) Hexachlorobenzene	16.58	284	2291	0.392	ng	98
22) Pentachlorophenol	16.94	266	563	0.565	ng	95
23) Phenanthrene	17.32	178	9500	0.387	ng	99
24) Anthracene	17.41	178	8188	0.374	ng	100
26) Fluoranthene	19.34	202	12483	0.384	ng	100
28) Pyrene	19.70	202	12999	0.338	ng	99
30) Benzo(a)anthracene	21.45	228	13120	0.376	ng	98
31) Chrysene	21.50	228	13997	0.383	ng	98
32) Bis(2-ethylhexyl)phthalate	21.37	149	25782	0.364	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	14350	0.395	ng	98
35) Benzo(b)fluoranthene	23.23	252	12166	0.376	ng	97
36) Benzo(k)fluoranthene	23.28	252	13767	0.365	ng	98
37) Benzo(a)pyrene	23.89	252	12407	0.371	ng	97
38) Dibenzo(a,h)anthracene	26.73	278	11818	0.375	ng	99
39) Benzo(g,h,i)perylene	27.53	276	12111	0.382	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

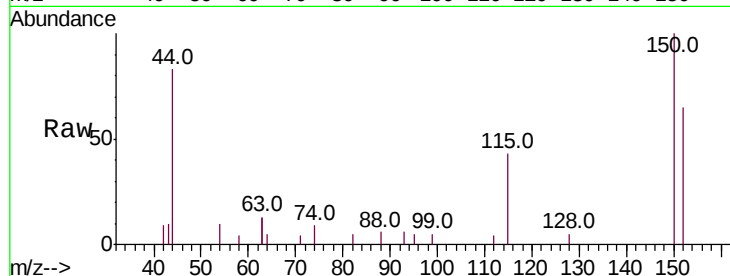
Tot Ion:152 Resp: 1639

Ion Ratio Lower Upper

152 100

150 152.9 124.2 186.4

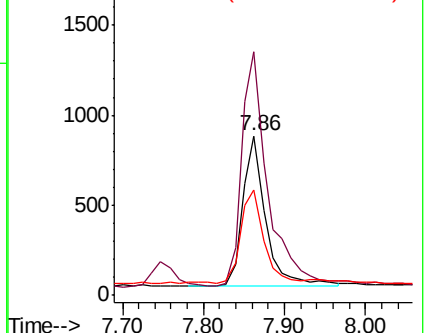
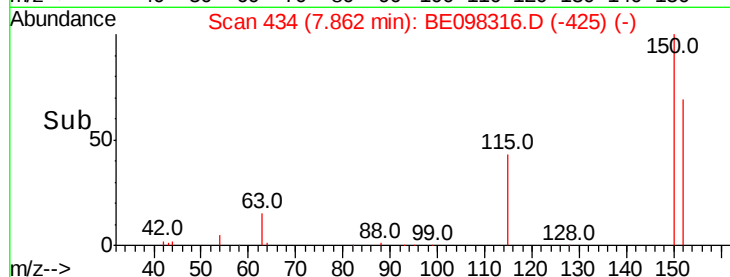
115 65.8 53.9 80.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.392 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

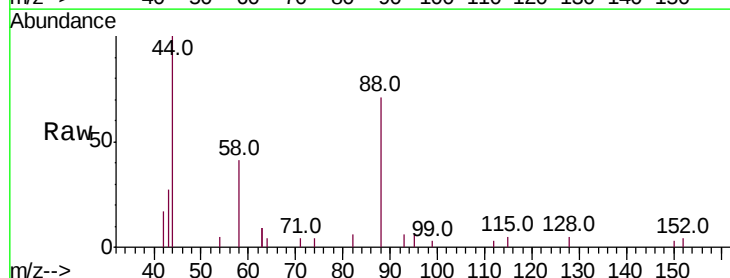
Tgt Ion: 88 Resp: 1111

Ion Ratio Lower Upper

88 100

58 96.5 75.0 112.6

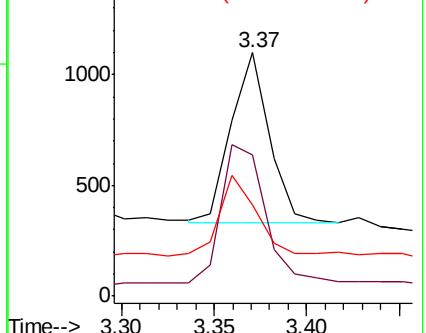
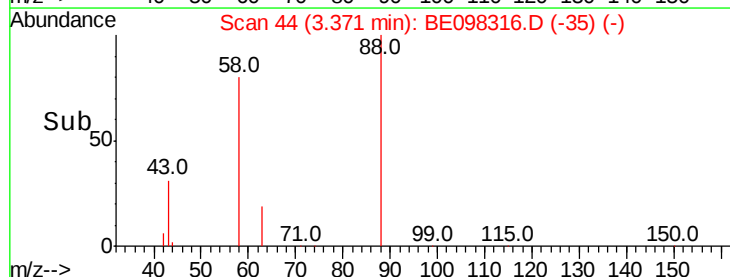
43 48.6 38.3 57.5



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.418 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

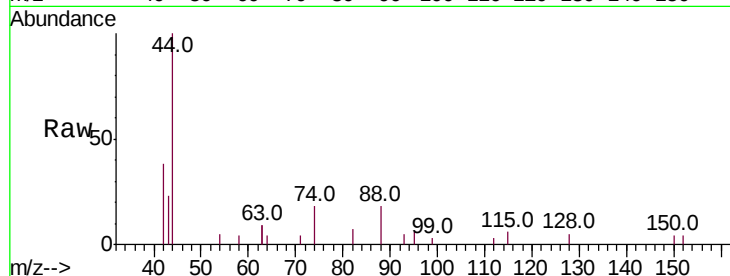
Tot Ion: 42 Resp: 1066

Ion Ratio Lower Upper

42 100

74 80.3 0.0 0.0#

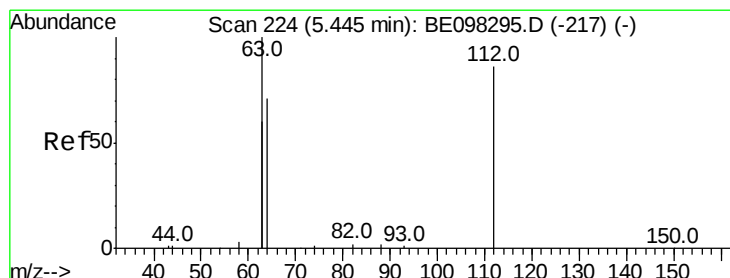
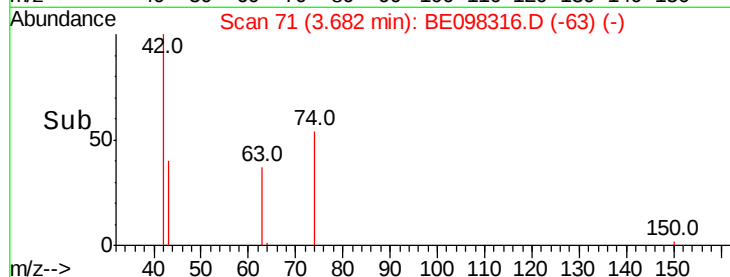
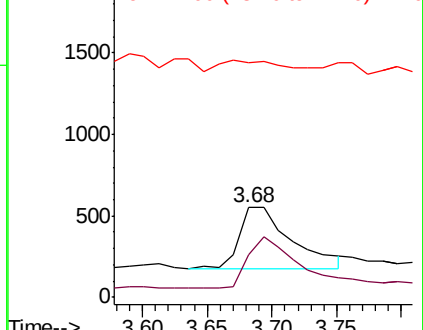
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.440 ng

RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

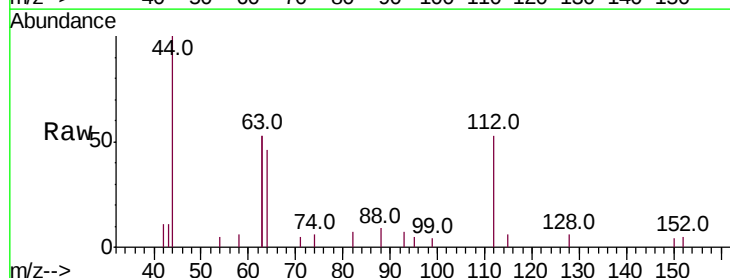
Tgt Ion: 112 Resp: 1687

Ion Ratio Lower Upper

112 100

64 71.6 59.8 89.8

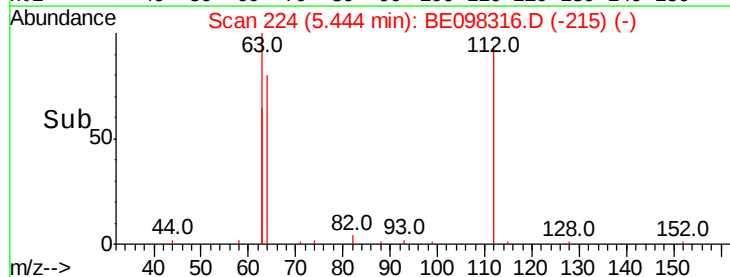
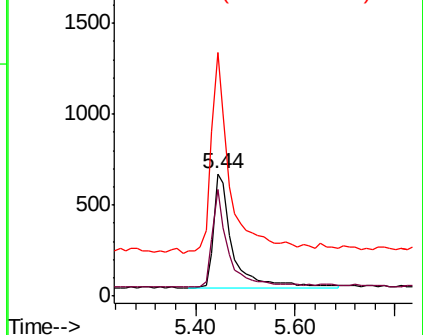
63 172.4 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.421 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

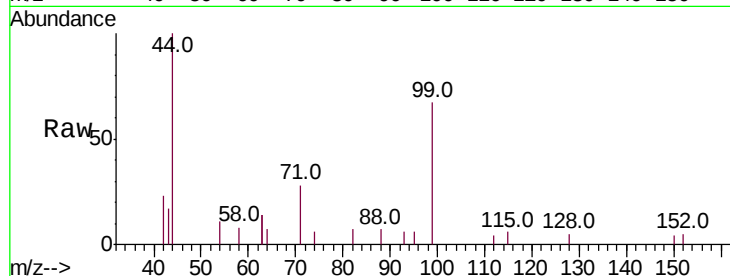
Tot Ion: 99 Resp: 2287

Ion Ratio Lower Upper

99 100

42 23.5 26.3 39.5#

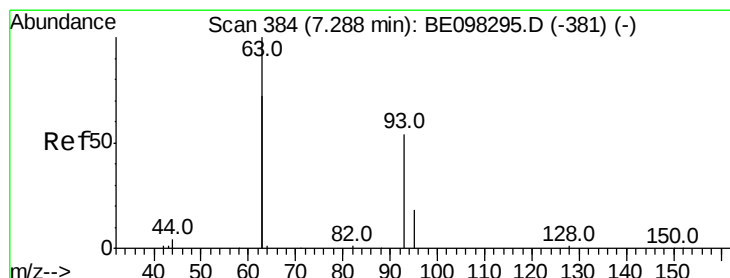
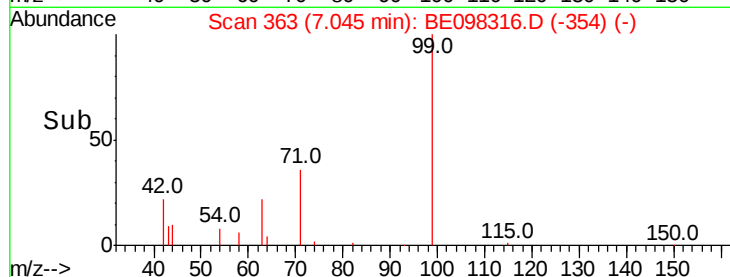
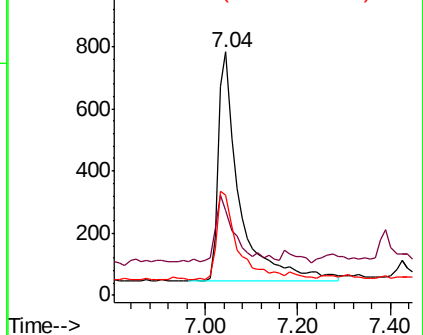
71 37.0 33.6 50.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.398 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

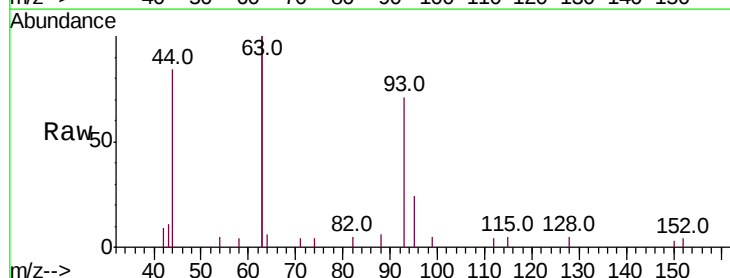
Tgt Ion: 93 Resp: 2053

Ion Ratio Lower Upper

93 100

63 312.8 264.4 396.6

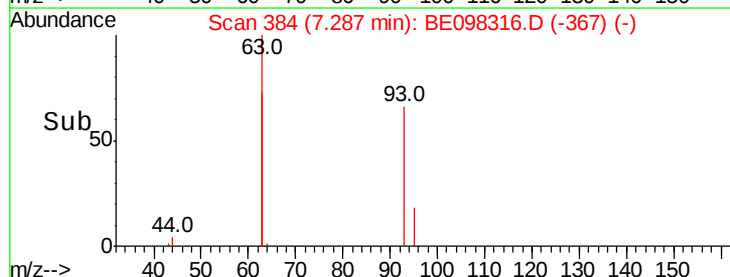
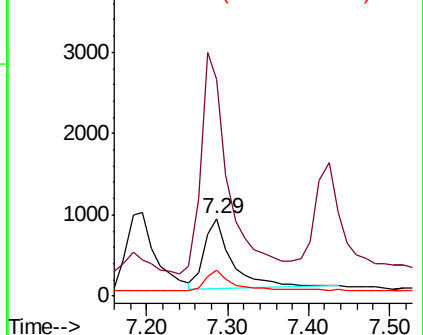
95 31.1 26.6 40.0

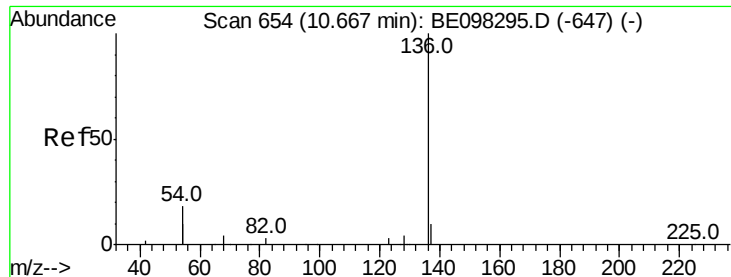


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 7037

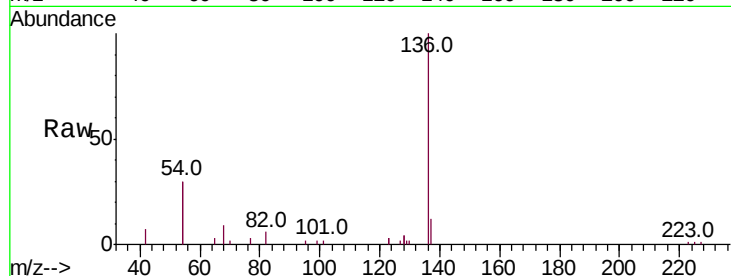
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 60.7 28.4 42.6#

68 8.8 5.4 8.0#

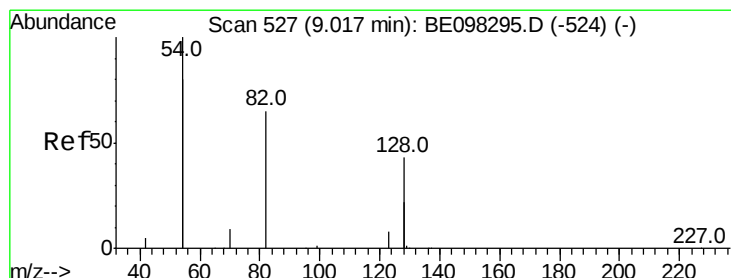
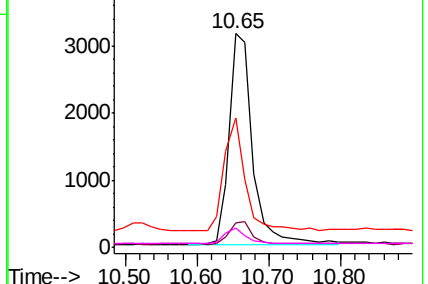
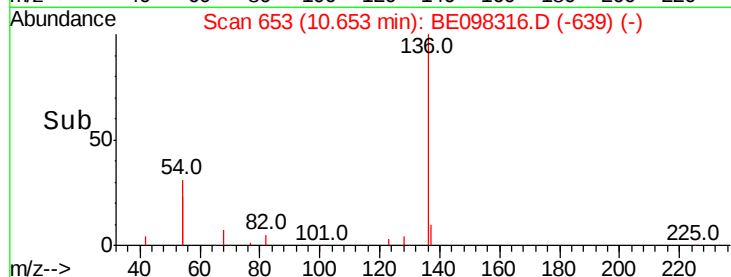


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.410 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

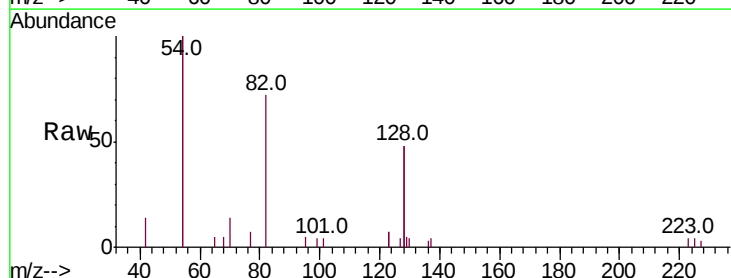
Tgt Ion: 82 Resp: 2628

Ion Ratio Lower Upper

82 100

128 133.0 102.4 153.6

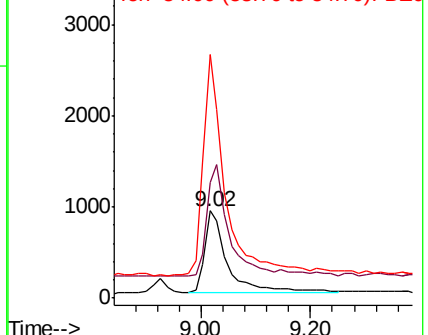
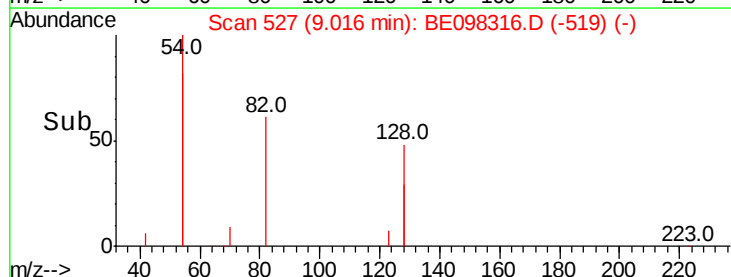
54 278.7 221.8 332.8

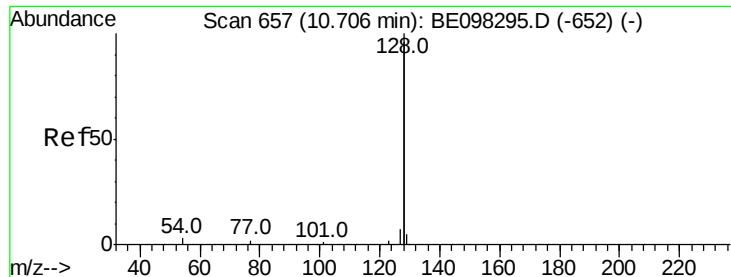


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.383 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

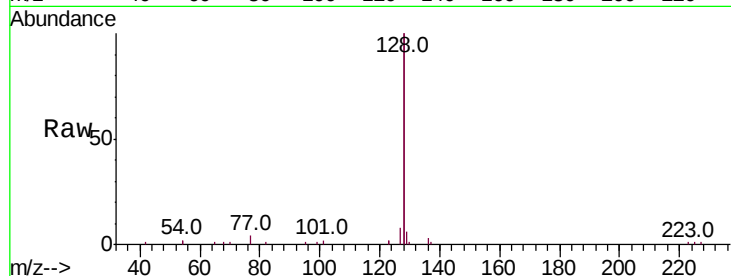
Tot Ion:128 Resp: 27114

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

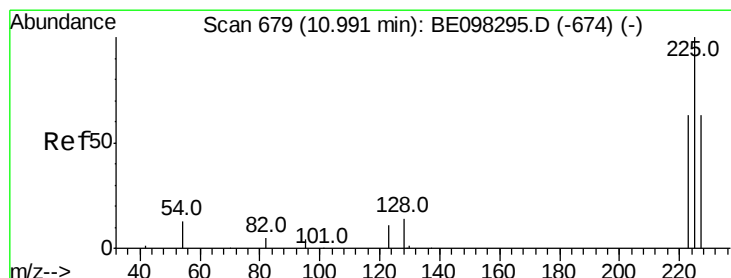
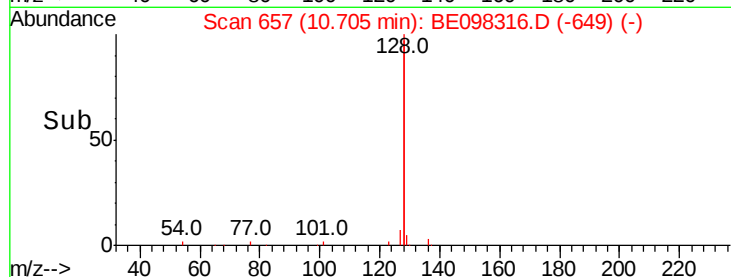
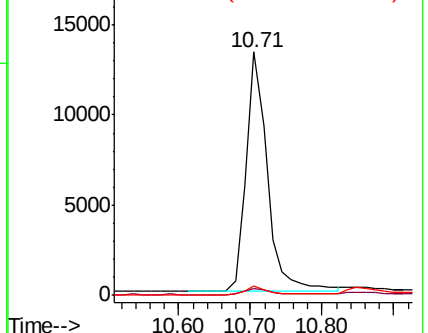
127 3.8 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.391 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

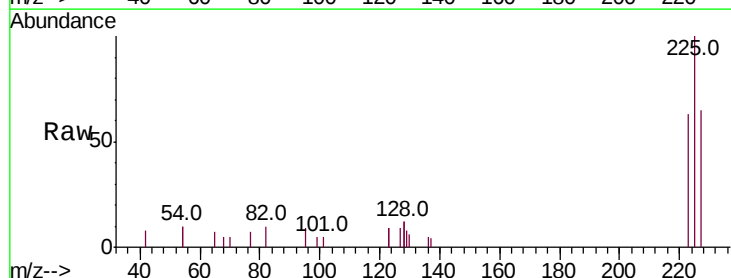
Tgt Ion:225 Resp: 1763

Ion Ratio Lower Upper

225 100

223 61.4 49.4 74.0

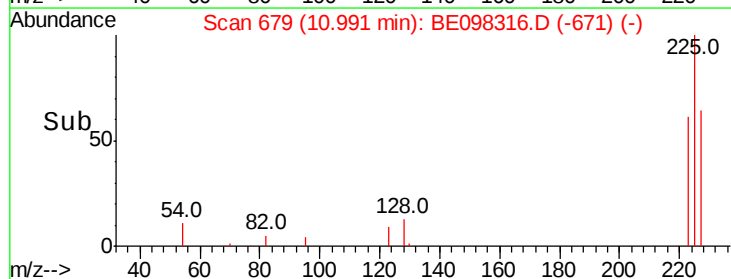
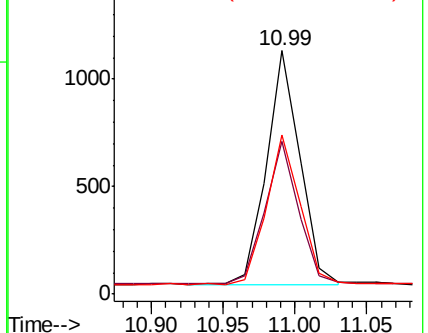
227 64.3 52.0 78.0

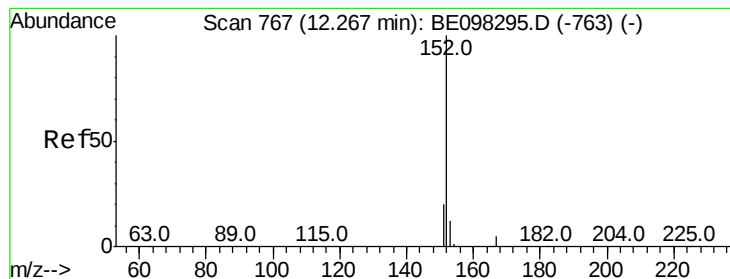


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.380 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

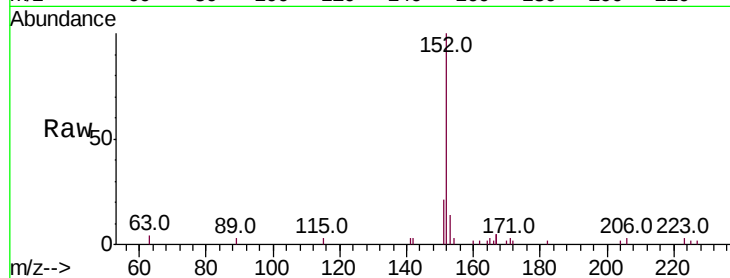
SSTDCCC0.4EC

Tot Ion:152 Resp: 4347

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

2000

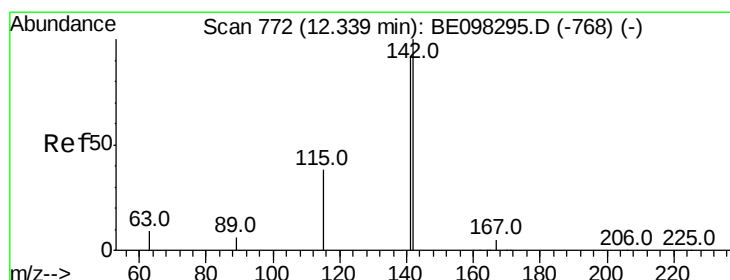
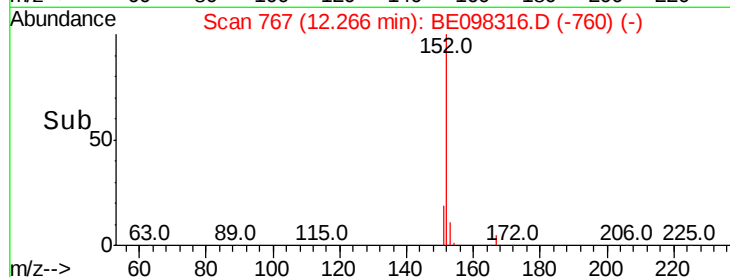
1500

1000

500

0

Time--> 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.360 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

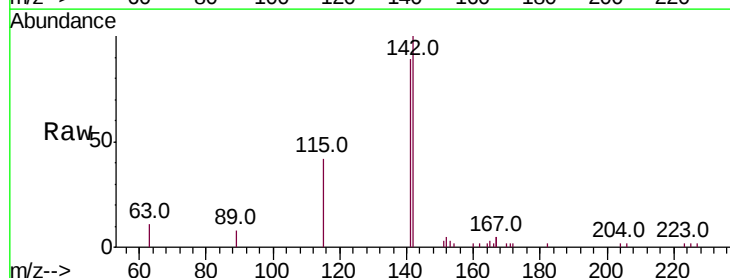
Tgt Ion:142 Resp: 4139

Ion Ratio Lower Upper

142 100

141 89.0 71.0 106.6

115 41.6 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.34

2500

2000

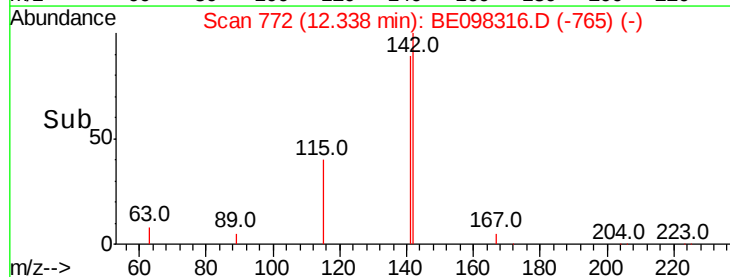
1500

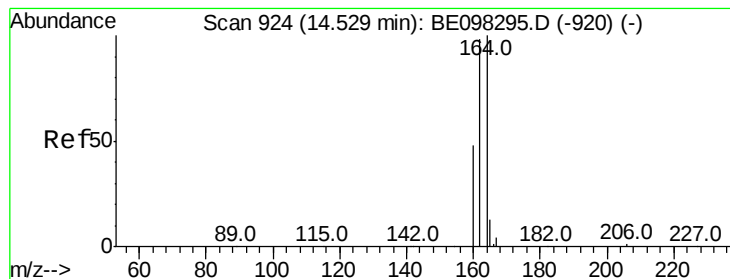
1000

500

0

Time--> 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

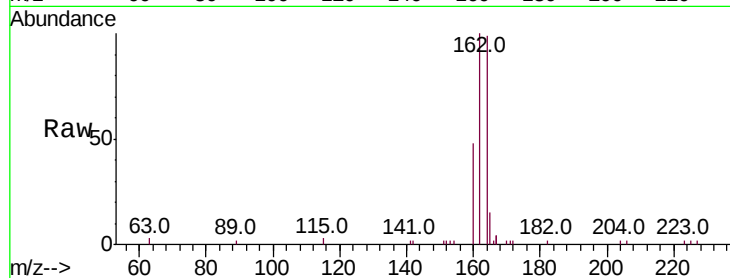
Tot Ion:164 Resp: 4042

Ion Ratio Lower Upper

164 100

162 100.9 77.6 116.4

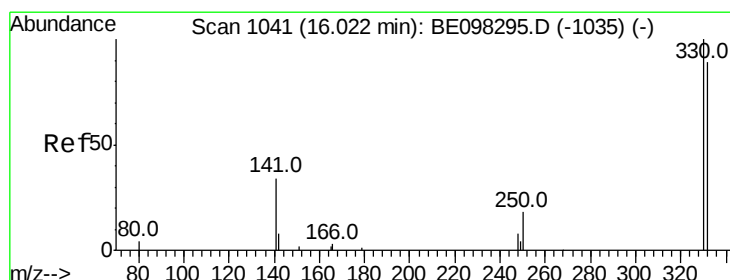
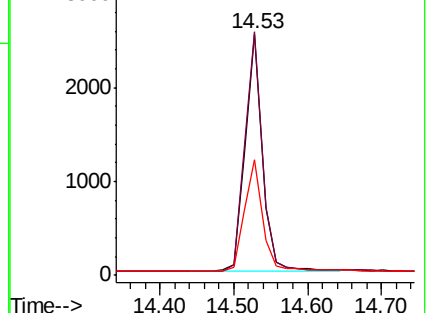
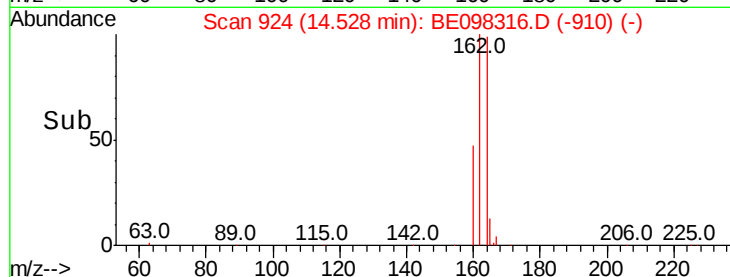
160 47.9 36.0 54.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.406 ng

RT: 16.02 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

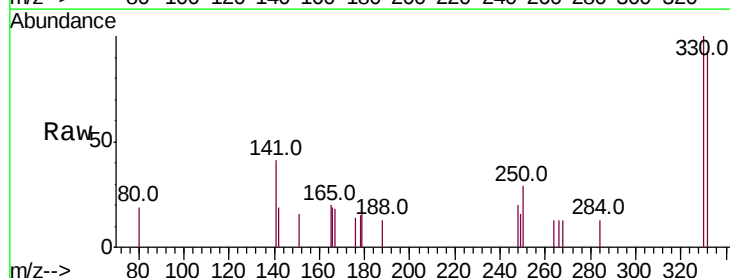
Tgt Ion:330 Resp: 603

Ion Ratio Lower Upper

330 100

332 95.0 76.2 114.4

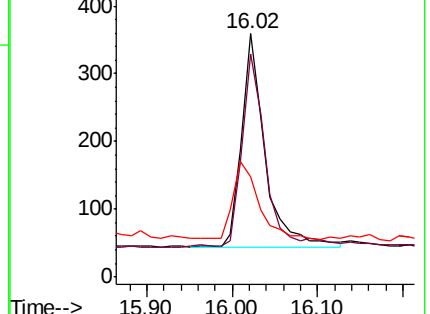
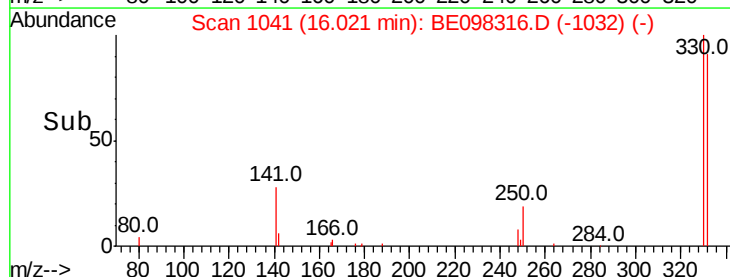
141 40.3 39.0 58.4

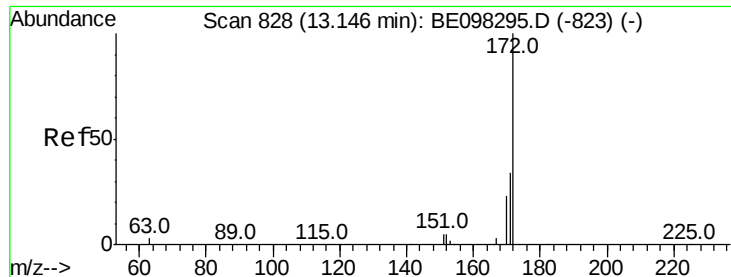


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

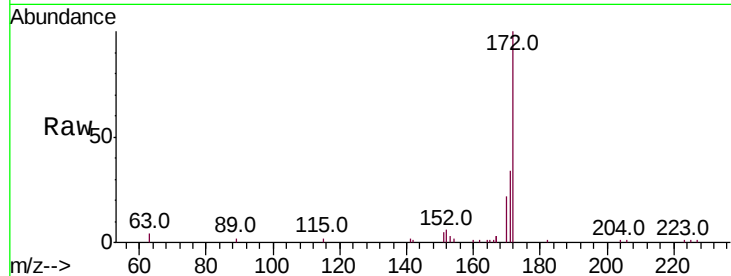




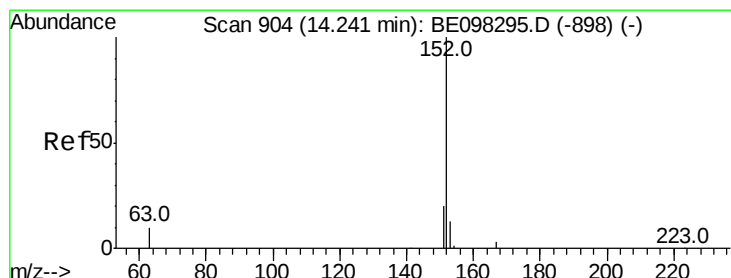
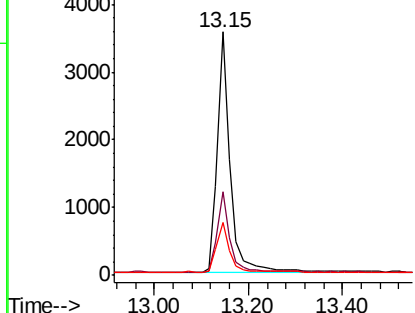
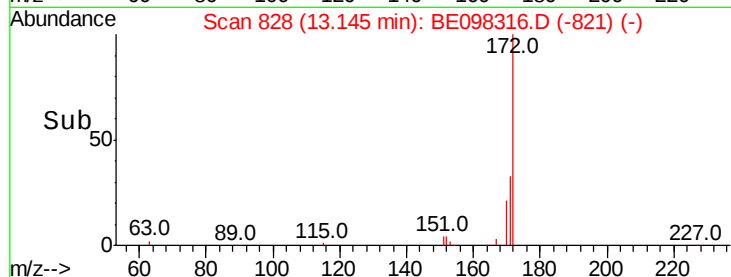
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098316.D
Acq: 11 Dec 2018 2:12

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:172 Resp: 6684
Ion Ratio Lower Upper
172 100
171 34.3 27.5 41.3
170 22.0 19.6 29.4

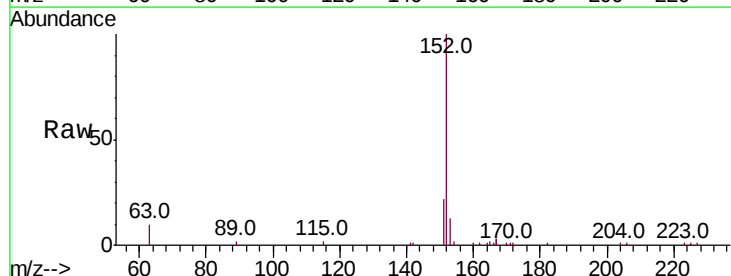


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

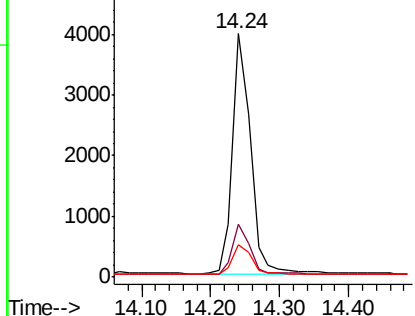
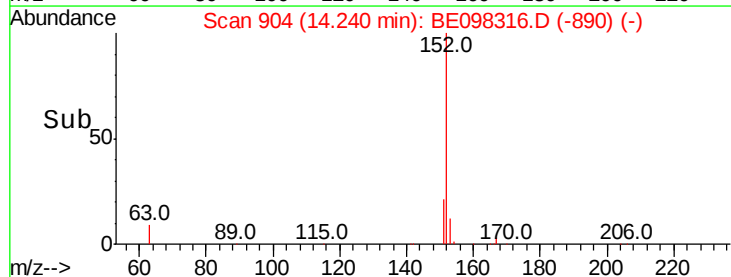


#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098316.D
Acq: 11 Dec 2018 2:12

Tgt Ion:152 Resp: 7240
Ion Ratio Lower Upper
152 100
151 20.5 15.5 23.3
153 13.1 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

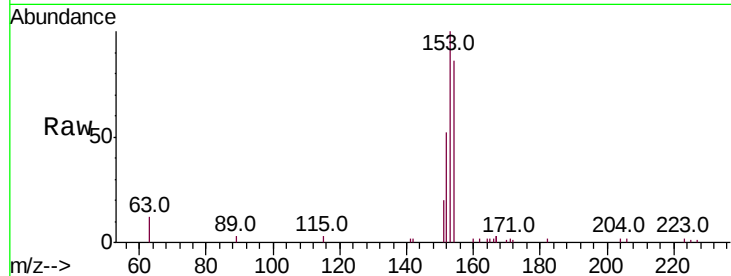




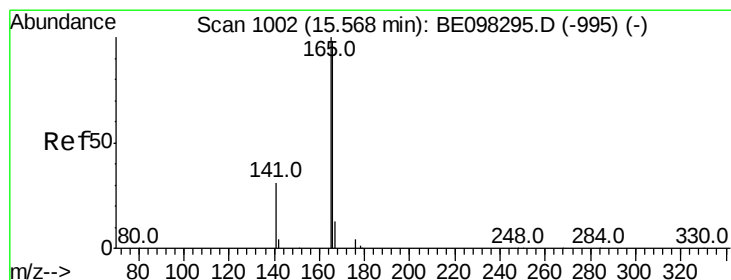
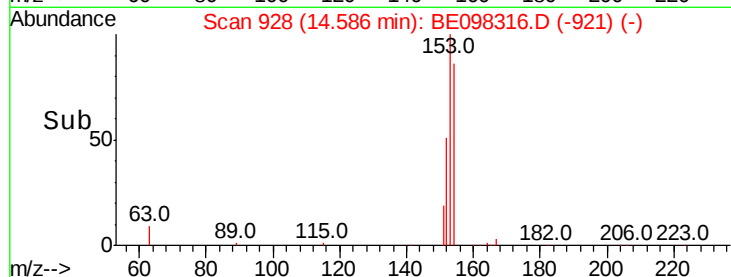
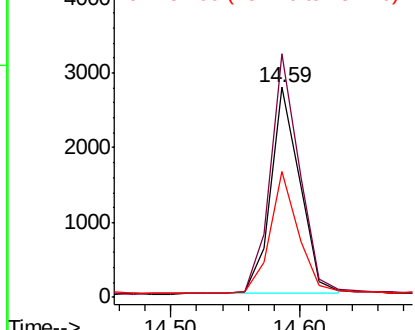
#17
Acenaphthene
Concen: 0.380 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098316.D
Acq: 11 Dec 2018 2:12

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:154 Resp: 4317
Ion Ratio Lower Upper
154 100
153 116.7 91.8 137.6
152 58.0 45.5 68.3

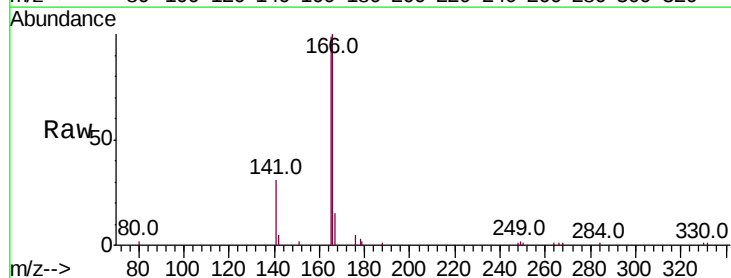


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

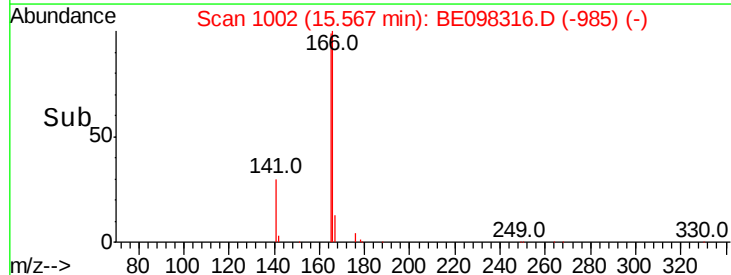
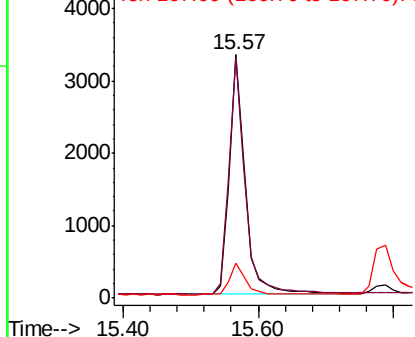


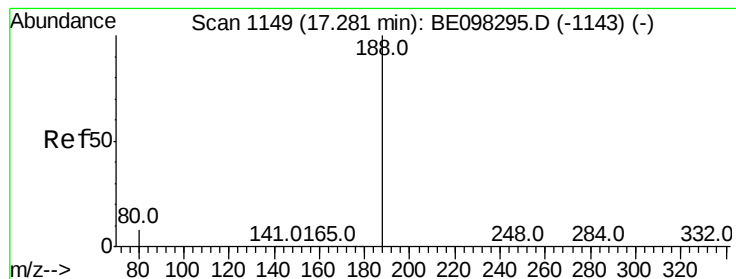
#18
Fluorene
Concen: 0.367 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098316.D
Acq: 11 Dec 2018 2:12

Tgt Ion:166 Resp: 5586
Ion Ratio Lower Upper
166 100
165 98.9 79.3 118.9
167 13.9 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

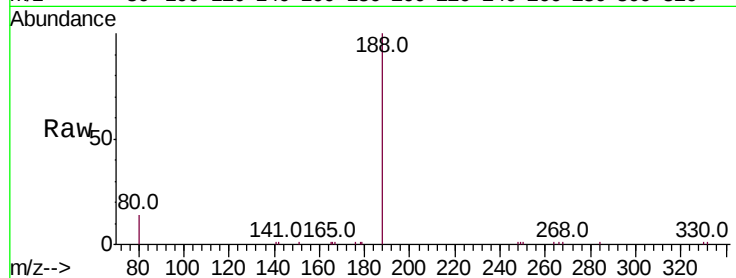
Tot Ion:188 Resp: 10105

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

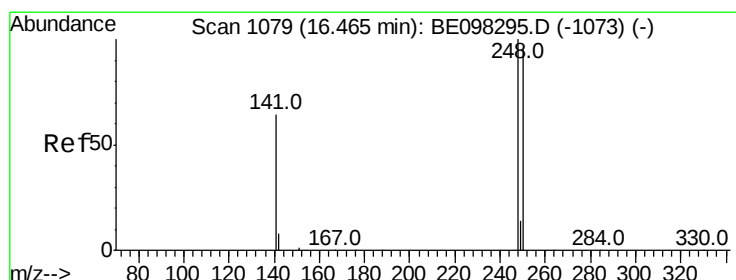
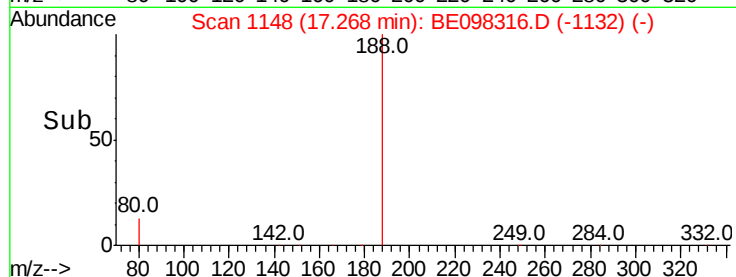
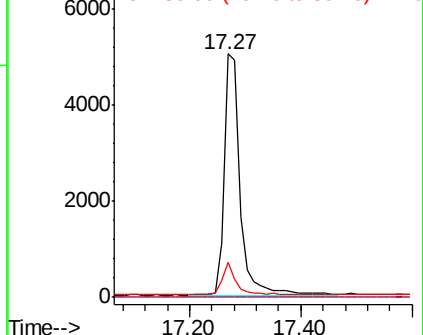
80 14.3 7.2 10.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.381 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

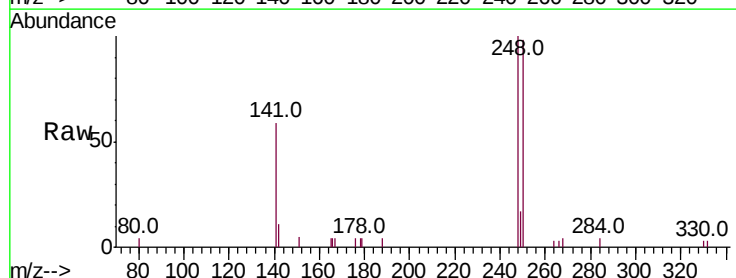
Tgt Ion:248 Resp: 2071

Ion Ratio Lower Upper

248 100

250 98.2 71.0 106.6

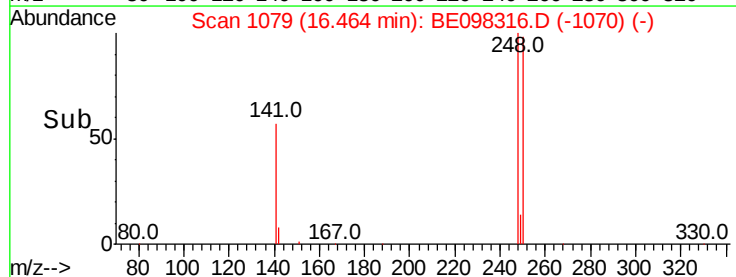
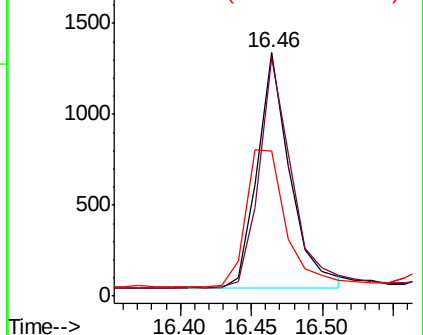
141 59.4 62.1 93.1#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.392 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

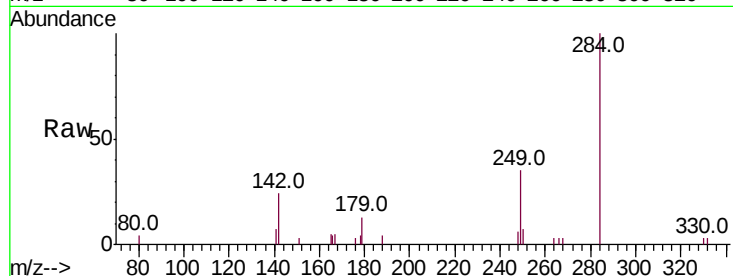
Tot Ion:284 Resp: 2291

Ion Ratio Lower Upper

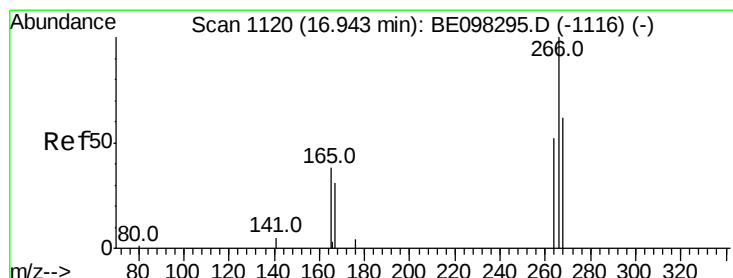
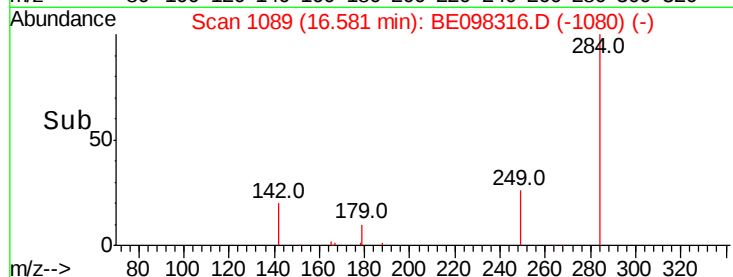
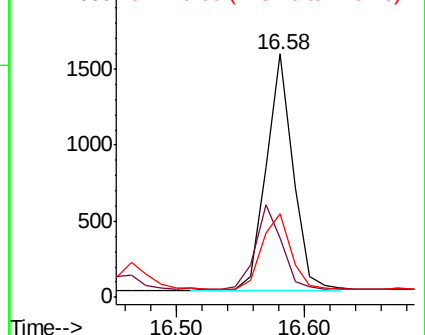
284 100

142 34.7 26.3 39.5

249 33.5 26.0 39.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.565 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

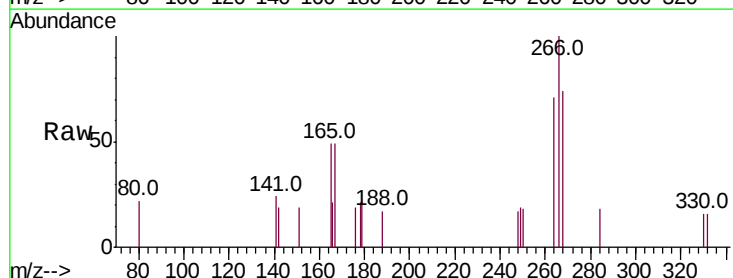
Tgt Ion:266 Resp: 563

Ion Ratio Lower Upper

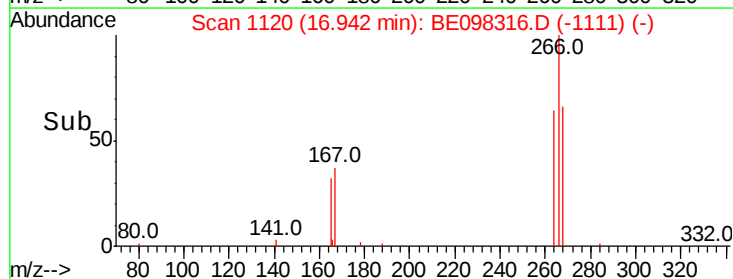
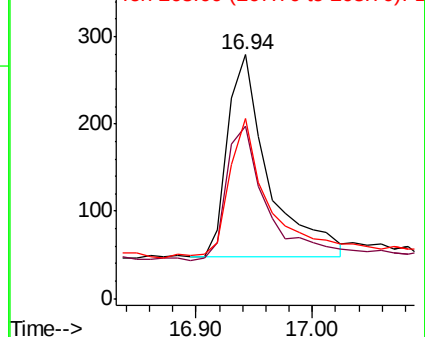
266 100

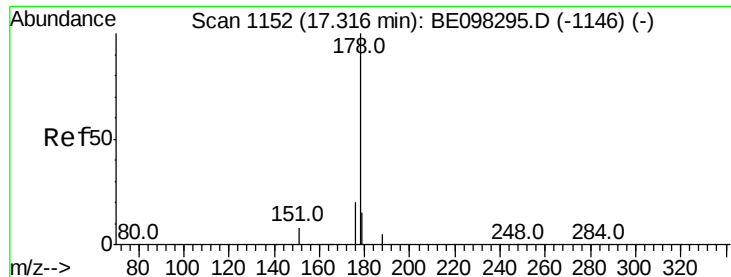
264 71.0 59.0 88.4

268 73.8 55.1 82.7



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.387 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

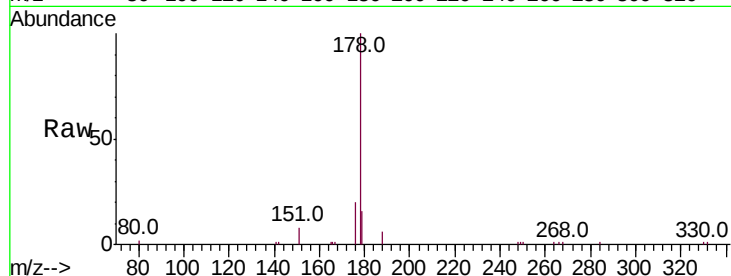
Tot Ion:178 Resp: 9500

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

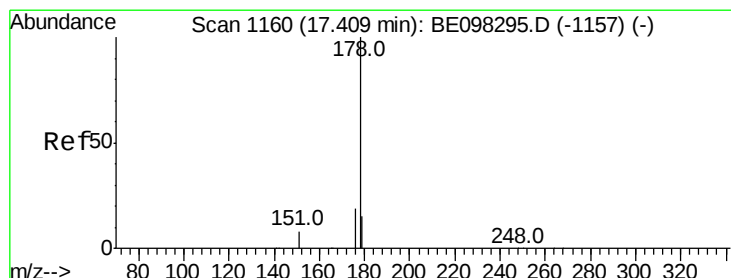
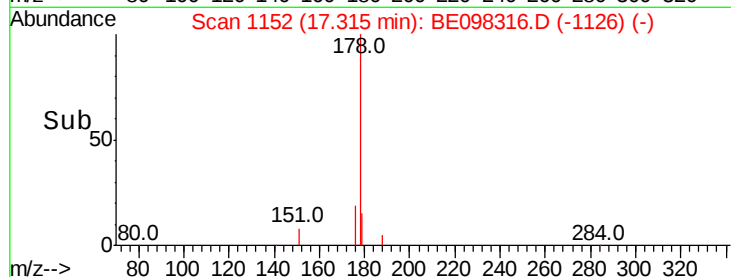
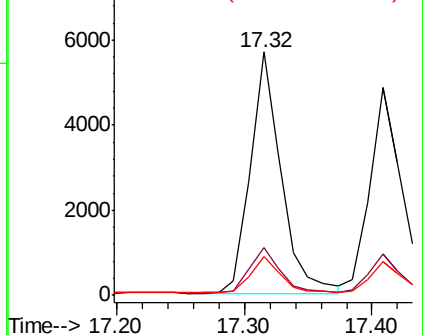
179 15.1 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.374 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

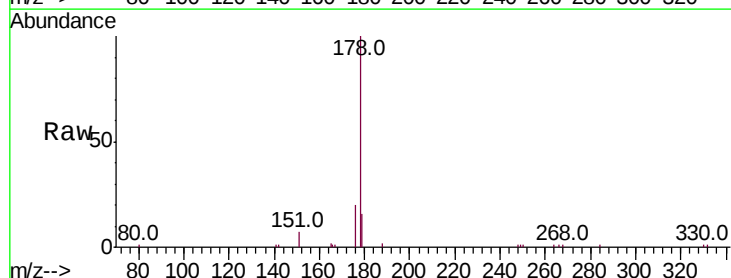
Tgt Ion:178 Resp: 8188

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

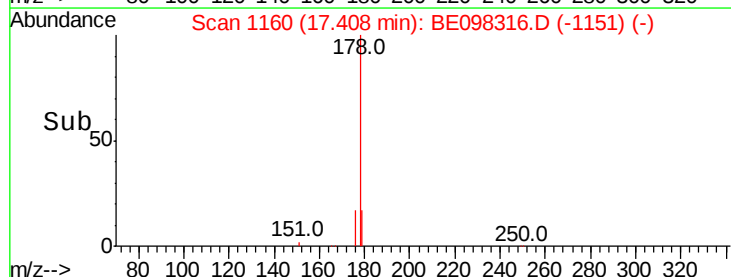
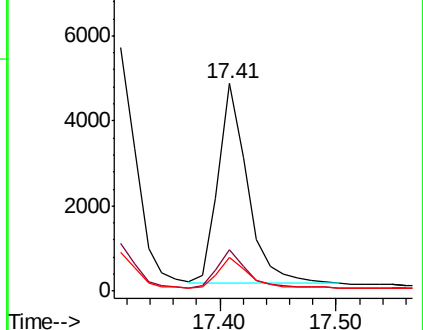
179 15.4 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.386 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

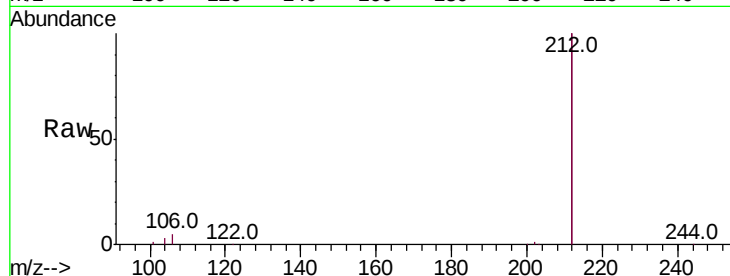
Tot Ion:212 Resp: 50073

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

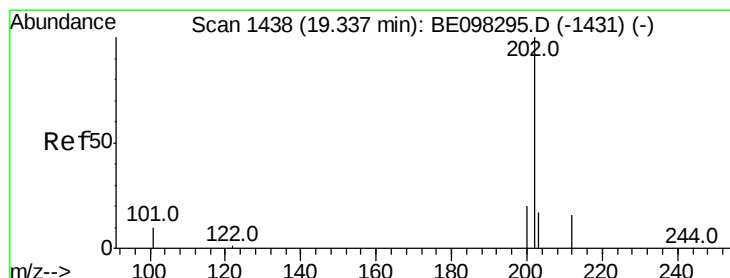
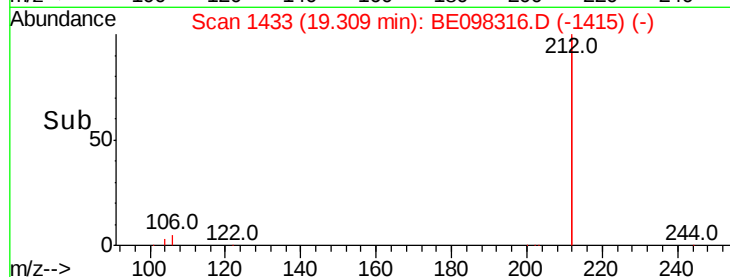
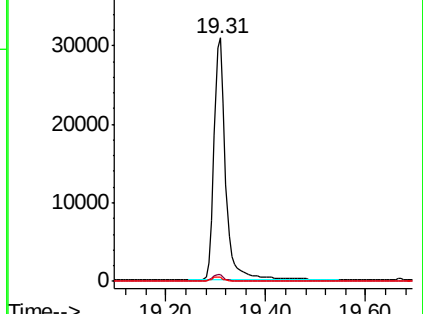
104 1.6 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.384 ng

RT: 19.34 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

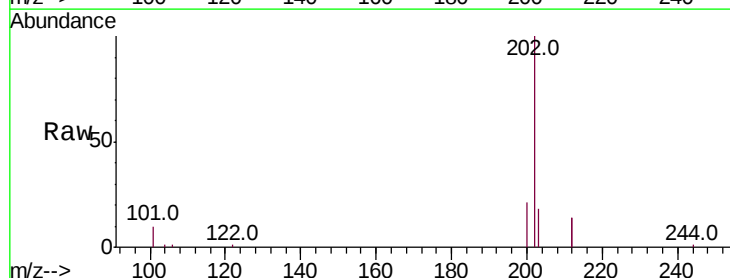
Tgt Ion:202 Resp: 12483

Ion Ratio Lower Upper

202 100

101 10.0 8.0 12.0

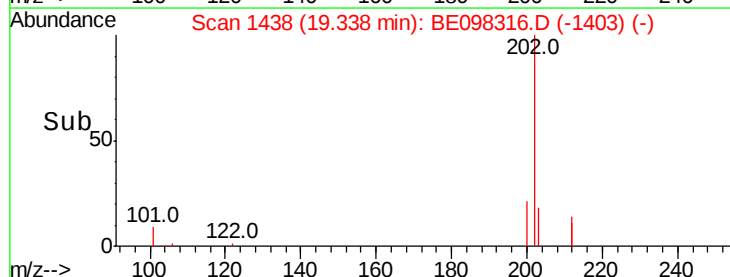
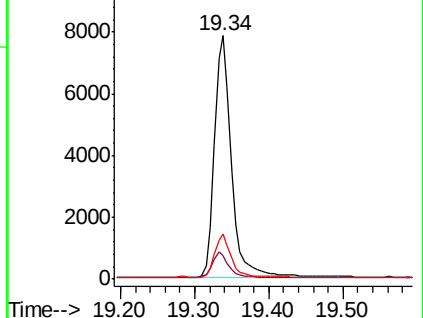
203 17.1 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

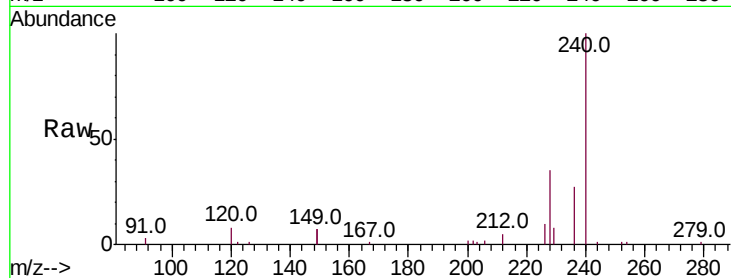
Tot Ion:240 Resp: 12253

Ion Ratio Lower Upper

240 100

120 8.3 9.5 14.3#

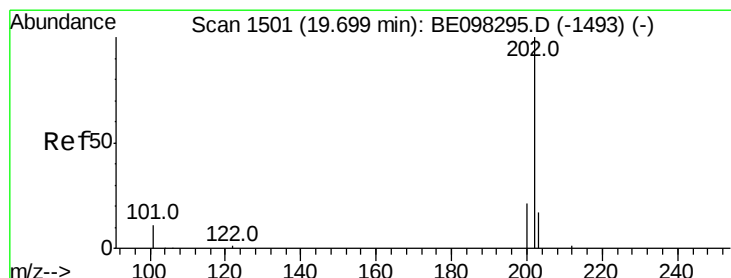
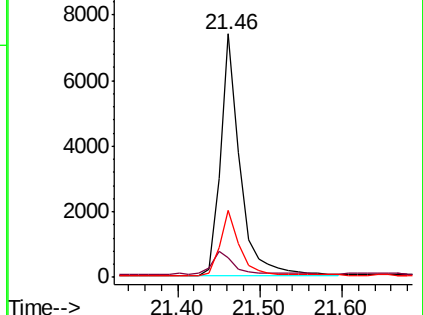
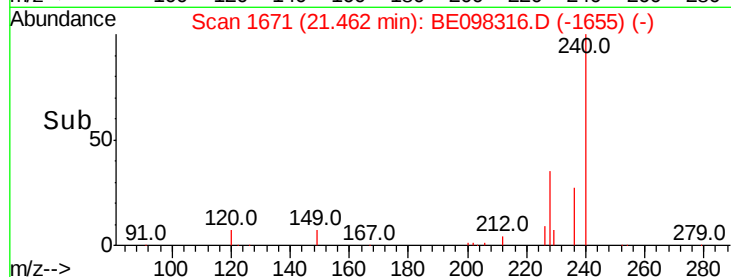
236 27.3 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.338 ng

RT: 19.70 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

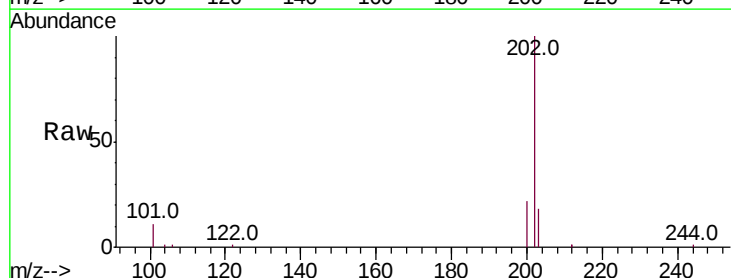
Tgt Ion:202 Resp: 12999

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

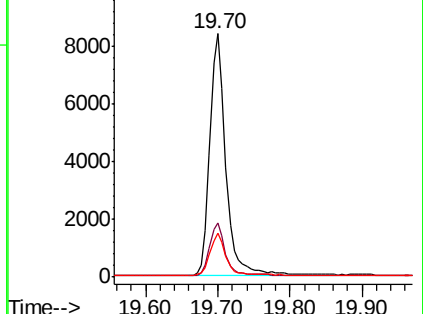
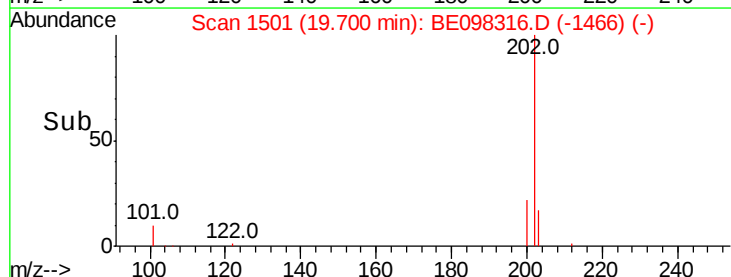
203 17.3 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.335 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

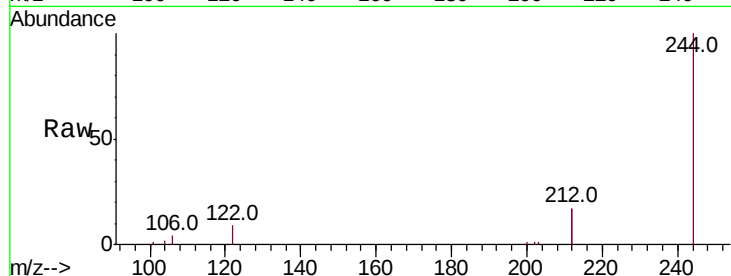
Tot Ion:244 Resp: 9981

Ion Ratio Lower Upper

244 100

212 34.2 27.4 41.0

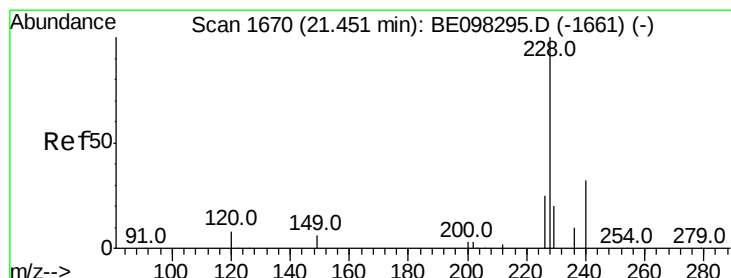
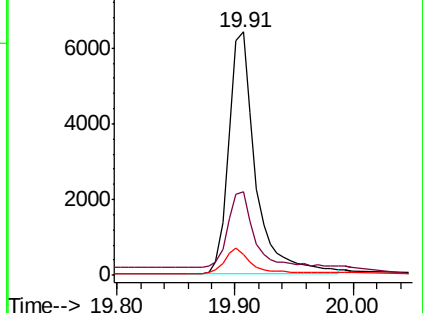
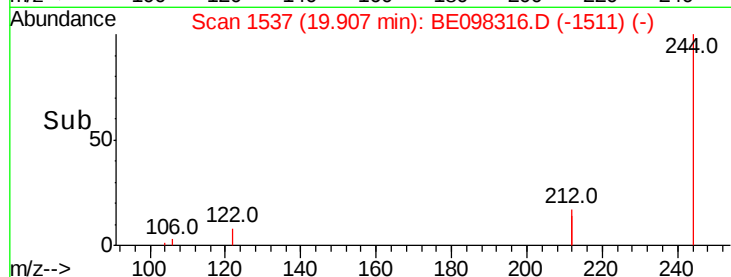
122 8.8 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.376 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

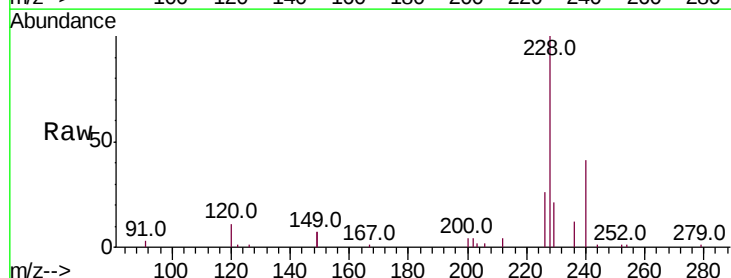
Tgt Ion:228 Resp: 13120

Ion Ratio Lower Upper

228 100

226 25.9 21.8 32.8

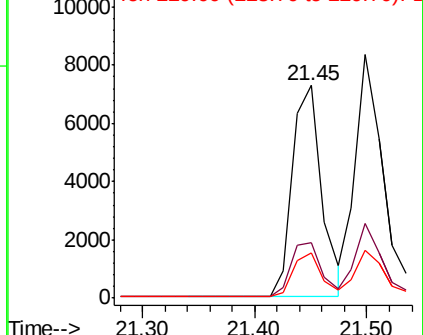
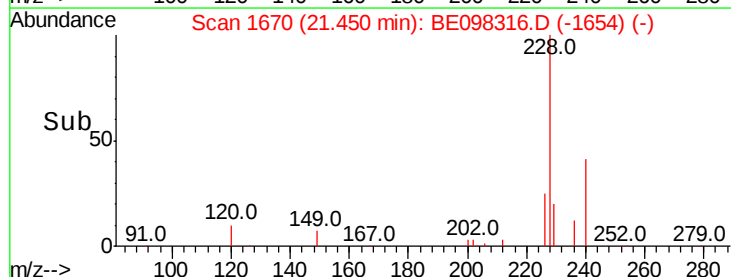
229 21.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.383 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

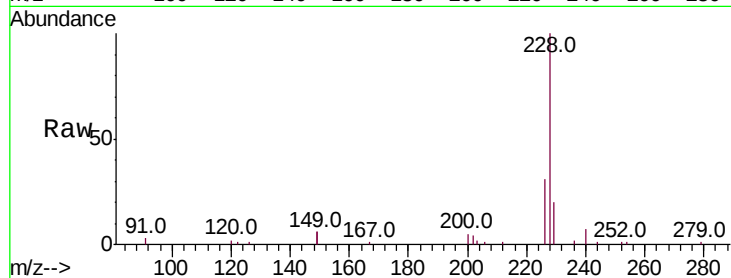
BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 13997

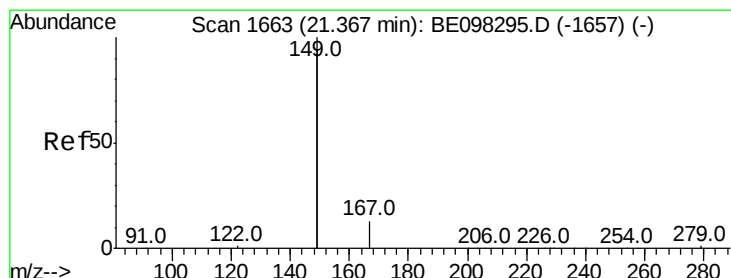
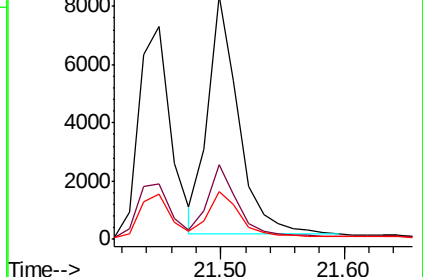
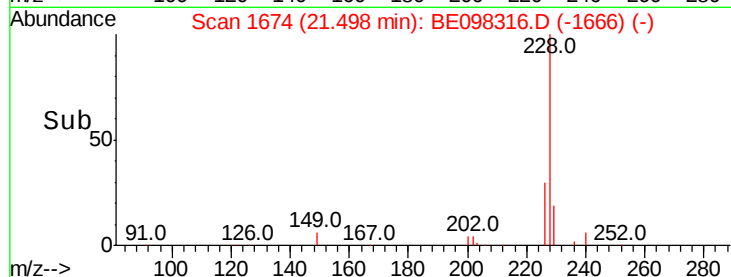
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.0
229	19.8	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.364 ng

RT: 21.37 min Scan# 1663

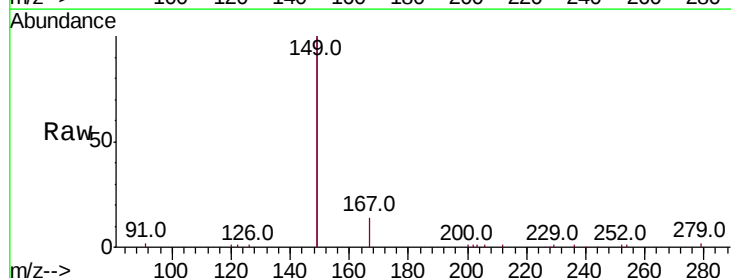
Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Tgt Ion:149 Resp: 25782

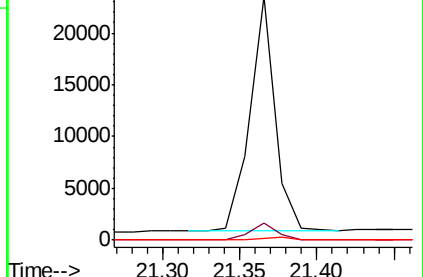
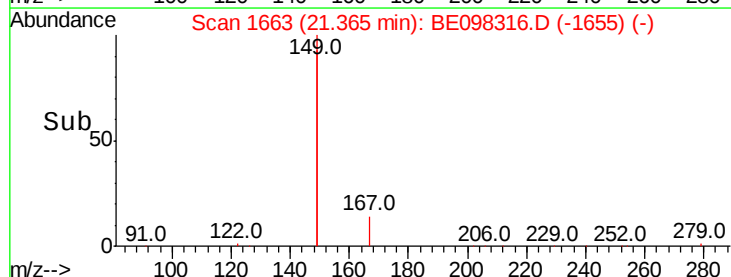
Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.7	8.5
279	1.2	1.0	1.4

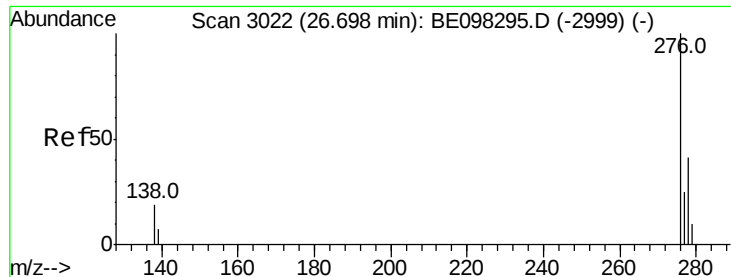


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.395 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

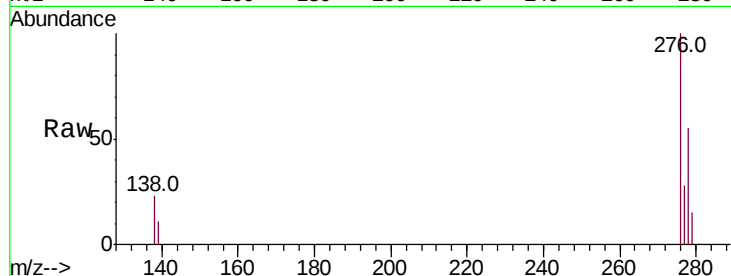
Tot Ion:276 Resp: 14350

Ion Ratio Lower Upper

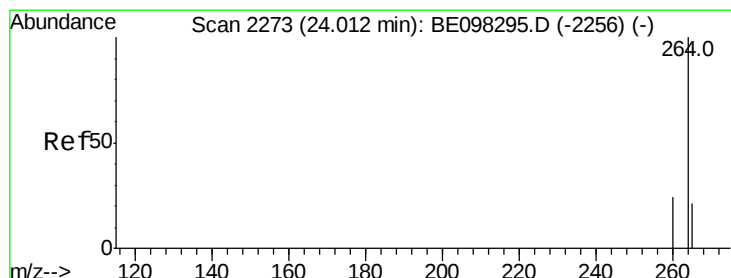
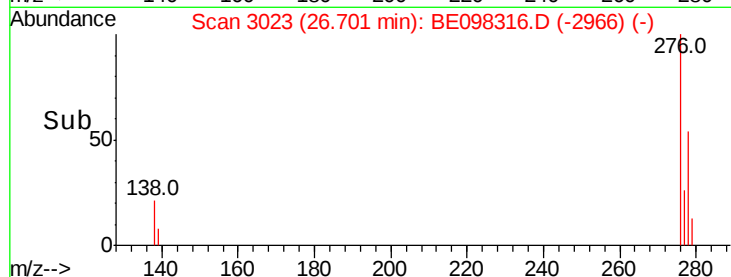
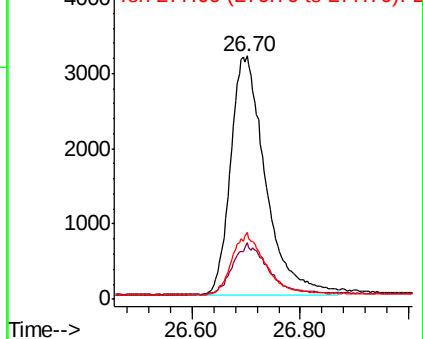
276 100

138 21.2 16.3 24.5

277 24.4 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.01 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

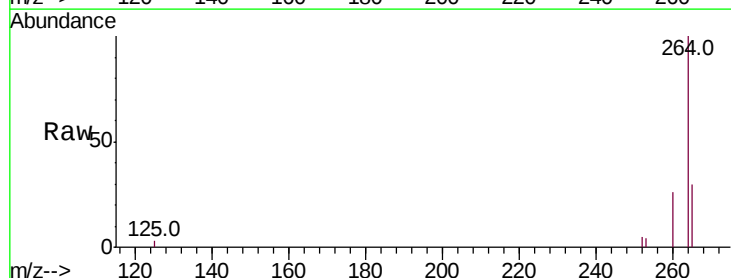
Tgt Ion:264 Resp: 11842

Ion Ratio Lower Upper

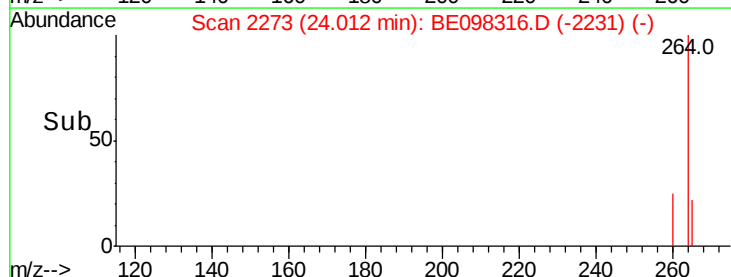
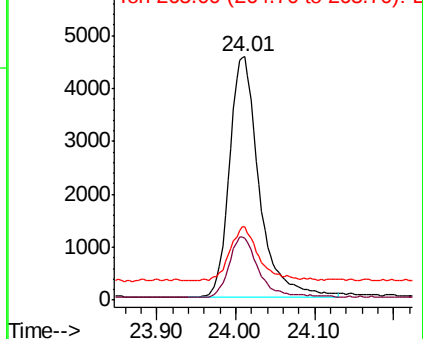
264 100

260 25.5 20.2 30.2

265 30.0 25.2 37.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.376 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

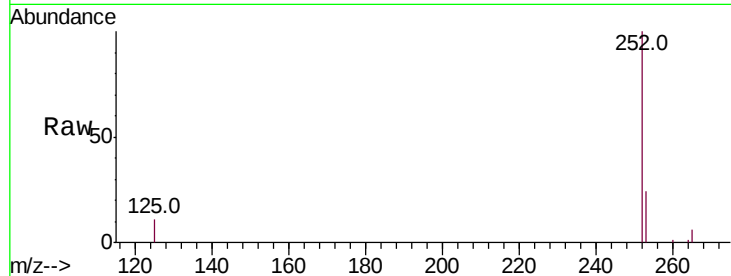
Tot Ion:252 Resp: 12166

Ion Ratio Lower Upper

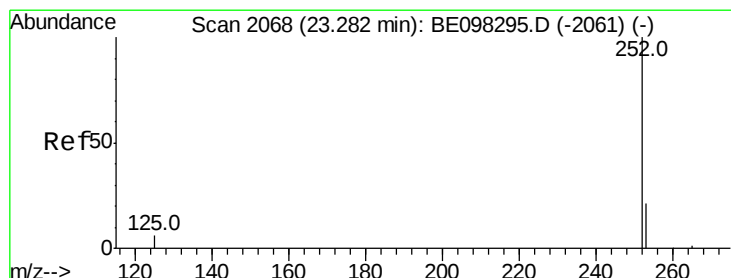
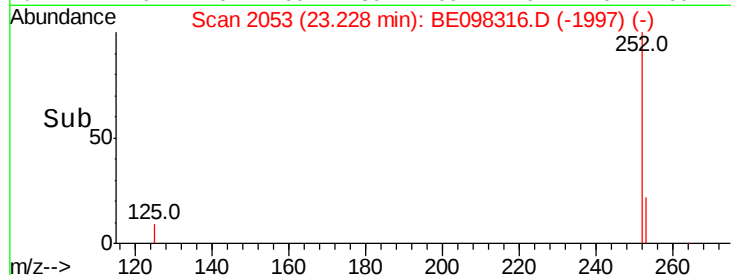
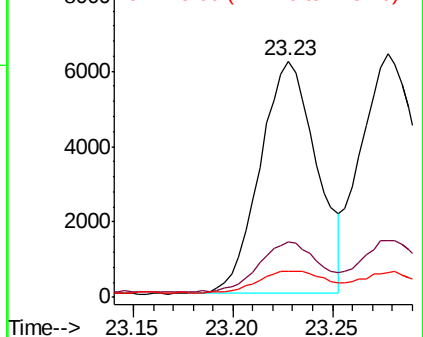
252 100

253 23.7 20.0 30.0

125 11.0 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.365 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

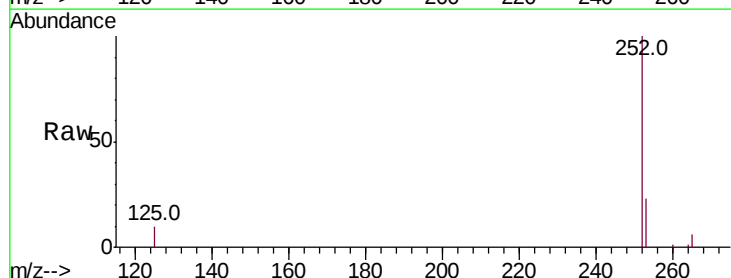
Tgt Ion:252 Resp: 13767

Ion Ratio Lower Upper

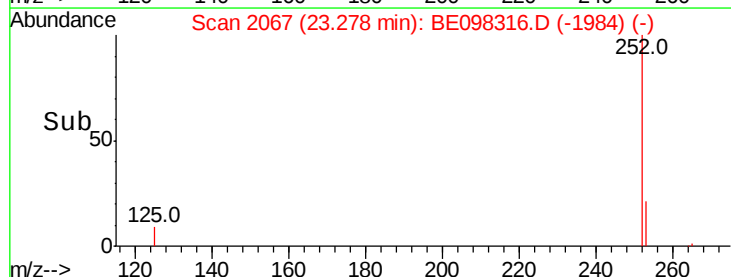
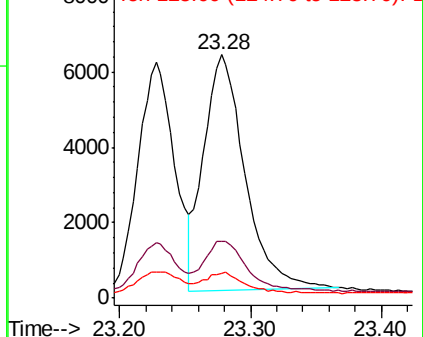
252 100

253 23.0 19.0 28.6

125 10.4 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.371 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

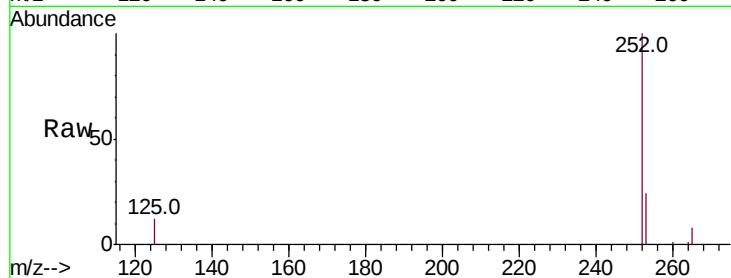
Tot Ion:252 Resp: 12407

Ion Ratio Lower Upper

252 100

253 24.1 20.6 30.8

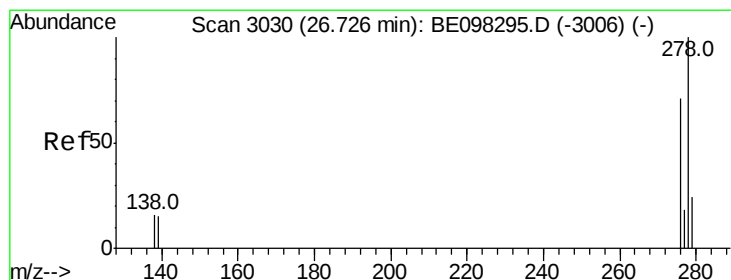
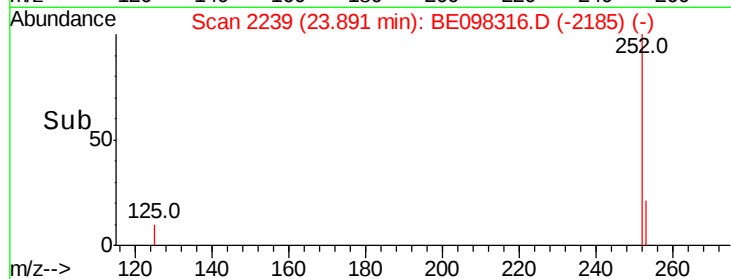
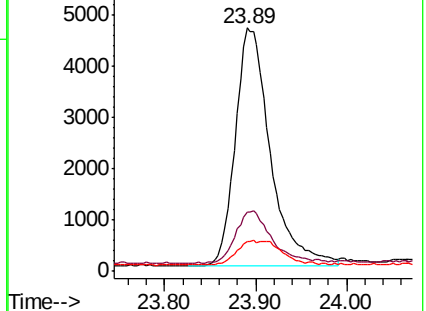
125 12.1 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.375 ng

RT: 26.73 min Scan# 3030

Delta R.T. 0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

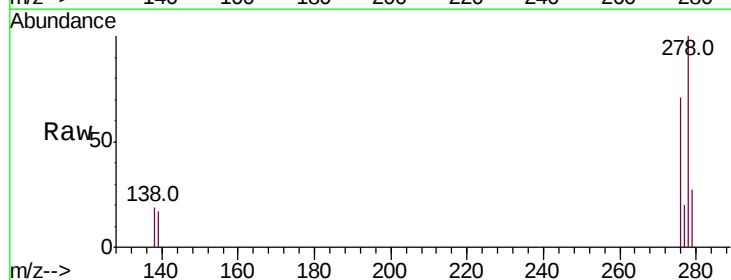
Tgt Ion:278 Resp: 11818

Ion Ratio Lower Upper

278 100

139 17.4 14.5 21.7

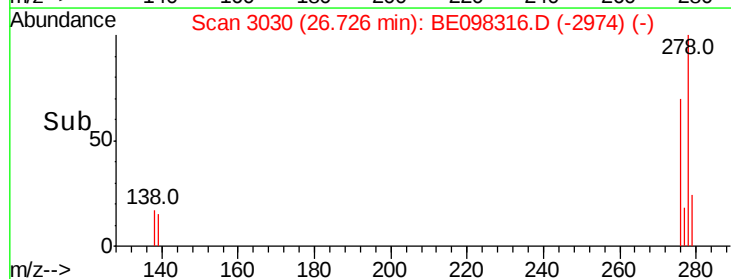
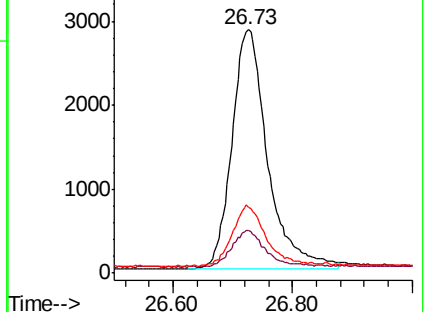
279 26.8 21.8 32.8

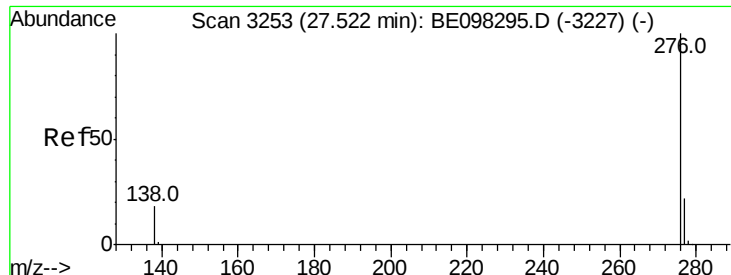


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.382 ng

RT: 27.53 min Scan# 3254

Delta R.T. 0.00 min

Lab File: BE098316.D

Acq: 11 Dec 2018 2:12

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

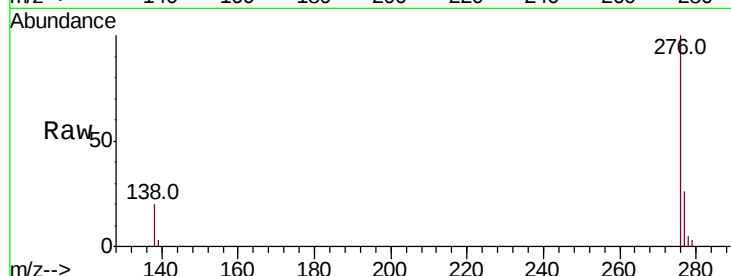
Tot Ion: 276 Resp: 12111

Ion Ratio Lower Upper

276 100

277 26.0 20.8 31.2

138 20.1 15.8 23.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

